



National  
Library  
of Medicine

PubMed Nucleotide Protein Genome Structure PopSet Taxonomy OMIM

Search PubMed for

Go

Clear

Limits

Preview Index

History

Clipboard

Display

Abstract

Save

Text

Order

Add to Clipboard

1: *Neoplasma* 1999;46(6):329-34

Related Articles, Books, LinkOut

Cells producing recombinant retrovirus with thymidine kinase gene from Herpes simplex virus suitable for human cancer gene therapy.

Hlavaty J, Hlubinova K, Bies J, Altaner C

Cancer Research Institute, Slovak Academy of Sciences, Bratislava.

Therapeutic cells producing amphotropic retrovirus, which are able to transduce *in vivo* thymidine kinase gene of Herpes simplex virus were prepared. Single-cell clone cells with high virus productivity (PA-3 17JH5c113) were obtained by cell cloning. The cells were found free of replication competent retrovirus, they were non-tumorigenic in xenogeneic host and highly sensitive to ganciclovir treatment *in vitro* and *in vivo*. The therapeutic efficacy of PA-317JH5c113 cells was tested in rat brain tumor model. Increase in survival in the group of treated versus untreated rats was observed. Therefore, these cells are suitable for application in human clinical trial.

PMID: 10732860

Display

Abstract

Save

Text

Order

Add to Clipboard

Write to the Help Desk

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)